

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2015 Levee Inspection Results****Reclamation District No. 0017 Mossdale**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

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SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 0017 Mossdale

Waterway			Bank	Unit Miles
Unit No. 01 French Camp Slough			Left	1.76
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/14/2015 - 04/14/2015			
DWR Inspector	Richard Willoughby			
Accompanied By	Robert Winter KSN			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	04/14/2015 04/14/2015	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				°		°
					°		°
DWR ID	DWR_RD0017_01_s _ 2013_1						
Action/Comments							
Inspector Comments: LMA has a copy of the manual on file.							

No Photos

LM Start	0.00	Rating **	A	Issue No.	2	
LM End	0.00	Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Emergency Supplies & Equipment				°	°
					°	°
DWR ID	DWR_RD0017_01_s _ 2013_2					
Action/Comments						
Inspector Comments: LMA has adequate flood fight supplies.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				°	°
					°	°
DWR ID	DWR_RD0017_01_s _ 2013_3					
Action/Comments						
Inspector Comments: District staff are involved in yearly training sponsored by DWR.						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	04/14/2015 04/14/2015	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	9		
LM End	1.76	Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Vegetation				o		o
					o		o
DWR ID	DWR_RD0017_01_s_2015_9						
Action/Comments							
Control annual grass and weeds on the levee slopes and easements.							

Photo 1 of 1 : SP_2015_RD0017_303_9_20150416_00001.jpg



Looking south at typical view of landward slope.

LM Start	0.00	Rating **	M	Issue No.	10
LM End	1.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				o
					o
DWR ID	DWR_RD0017_01_s_2015_10				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_RD0017_303_10_20150416_00002.jpg



Looking south at typical view of waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	04/14/2015 04/14/2015	Richard Willoughby

LM Start	0.02	Rating **	M	Issue No.	11
LM End	0.02	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.911561 °	37.911561 °
				-121.291441 °	-121.291441 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40603 DS_ID:1 EP_NO: 6623 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Marker missing on landward side. Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 5-inch diameter welded steel natural gas pipeline through the levees, 4.5 feet below the crown, across the channels and overflow area. (Permit No. 6623-1969) FS Date: 02/03/2010					

No Photos

LM Start	0.15	Rating **	U	Issue No.	12
LM End	0.15	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.912850 °	37.912850 °
				-121.292910 °	-121.292910 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45733 DS_ID:72 EP_NO: 15185 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Need to install gasline markers. FIELD_STRUCT_DESC: 8-inch-diameter soil proofed steel gas main through the left bank levee and under the channel of French Camp Slough. The pipeline has a minimum cover of 5 feet within the overflow areas and under the channel. (Permit No. 15185-1989) FS Date: 05/20/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	04/14/2015 04/14/2015	Richard Willoughby

LM Start	0.88	Rating **	A/W	Issue No.	6
LM End	0.97	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.915087 °	37.915295 °
				-121.304833 °	-121.306385 °
DWR ID	DWR_RD0017_01_s _ 2013_6				
Action/Comments					
Environmental Requirements.					

No Photos

LM Start	1.33	Rating **	M	Issue No.	13
LM End	1.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40604 DS_ID:2 EP_NO: 14992 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection. FIELD_STRUCT_DESC: 1 of 3. 30-inch diameter HDPE sewer force main (SFM). All pipes encased in concrete at approximately 32 feet below levee crown. (Permit No. 14992-1989) FS Date: 02/03/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	04/14/2015 04/14/2015	Richard Willoughby

LM Start	1.33	Rating **	M	Issue No.	14
LM End	1.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40605 DS_ID:159 EP_NO: 14992 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection. FIELD_STRUCT_DESC: 2 of 3. A 30-inch diameter HDPE sewer force main (SFM). All pipes encased in concrete at approximately 32 feet below levee crown. (Permit No. 14992-1989) FS Date: 02/03/2010					

No Photos

LM Start	1.33	Rating **	M	Issue No.	15
LM End	1.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.915928 °	37.915928 °
				-121.312471 °	-121.312471 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40606 DS_ID:158 EP_NO: 14992 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Also need date of last inspection. FIELD_STRUCT_DESC: 3 of 3. A 12-inch diameter HDPE sewer force main (SFM). All pipes encased in concrete at approximately 32 feet below levee crown. (Permit No. 14992-1989) FS Date: 02/03/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 0017 Mossdale

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River			Right	14.27
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/14/2015 - 04/14/2015			
DWR Inspector	Richard Willoughby			
Accompanied By	Robert Winter KSN			

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	0.14	Rating **	M	Issue No.	569
LM End	0.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.914335 °	37.914335 °
				-121.322387 °	-121.322387 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40628 DS_ID:75 EP_NO: 15093 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Only appurtenances remaining at this location--4 pillings located on waterward side. According to records the pillings were to be removed under a completion maintenance contract. Need to coordinate with owner. FIELD_STRUCT_DESC: 14-inch-diameter pipeline through levee at unknown depth. Per inspector's notes "this crossing is abandoned almost all materials removed including pipes, conduit, and pumphouse. The only items left are 4 pilings which are to be removed under a completion maintenance contract. Approximately 200 feet of reinforced concrete pipe lateral removed in R/W south of crossing". FS Date: 02/03/2010					

No Photos

LM Start	0.77	Rating **	U	Issue No.	570
LM End	0.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.906163 °	37.906163 °
				-121.323122 °	-121.323122 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42873 DS_ID:5 EP_NO: 15095 Repair Type: Urgent Crossing Status: Found UCIP Comments: Damage to levee waterward slope and pipe. Sink holes and scour hole present on waterward side. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 12-inch diameter discharge pipeline through the levee. Invert of pipe is 6.24 feet below crown. Siphon breaker at the waterward shoulder. Pump located approximately 50 feet landward of the toe. (Permit No. 15095-1990) FS Date: 02/03/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	1.08	Rating **	U	Issue No.	6
LM End	1.08	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.902530 °	37.902530 °
				-121.325690 °	-121.325690 °
DWR ID	DWR_RD0017_02_s _ 2015_6				
Action/Comments					
Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: No significant change at this site. 08/07/2012: The erosion is nearly vertical, and has developed upward to halfway of the levee slope. The protecting concrete blocks have been washed away. Animal activities are visible. [2014 Site ID:RD0017U02RM44.32] Site has been corrected.					

Photo 1 of 1 : SP_2015_RD0017_304_6_20150309_00004.jpg



Front view of the erosion site. Note the concrete blocks and vegetation.

LM Start	1.16	Rating **	U	Issue No.	78
LM End	1.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.901318 °	37.901318 °
				-121.325522 °	-121.325522 °
DWR ID	DWR_RD0017_02_s _ 2015_78				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Sink hole (4' x 18" x 5')next to pipe.					

Photo 1 of 3 : SP_2015_RD0017_304_78_20150416_00020.jpg



Looking north at sink hole on landward toe next to irrigation pipe.

LM Start	1.16	Rating **	U	Issue No.	78 (cont)
LM End	1.16	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2015_RD0017_304_78_20150416_00019.jpg



Looking south at sink hole at landward toe next to irrigation ppe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	1.16	Rating **	U	Issue No.	78 (cont)
LM End	1.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.901318 °	37.901318 °
				-121.325522 °	-121.325522 °
DWR ID	DWR_RD0017_02_s_2015_78				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Sink hole (4' x 18" x 5')next to pipe.					

Photo 3 of 3 : SP_2015_RD0017_304_78_20150416_00021.jpg



Looking west at sink hole on landward toe next to irrigation pipe.

LM Start	1.17	Rating **	U	Issue No.	571
LM End	1.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.901291 °	37.901291 °
				-121.325534 °	-121.325534 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42874 DS_ID:8 EP_NO: 15097 Repair Type: Urgent Crossing Status: Found UCIP Comments: Exposed section of levee on landward side--sink hole located at landward toe. Need to contact owner and DWR inspector to address issue. FIELD_STRUCT_DESC: 8-inch diameter irrigation pipeline through levee. Invert of pipe is 4.0 feet below levee crown. Pump house is located on the waterward slope. Siphon breaker on landward shoulder, standpipe located 10 feet from landward tee. Concrete stairs on waterward slope. (Permit No. 15097-1990) FS Date: 02/04/2010					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	1.19	Rating **	M	Issue No.	572
LM End	1.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.901012 °	37.901012 °
				-121.325497 °	-121.325497 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45450 DS_ID:308 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears Abandoned. Need to contact owner to determine status of crossing as signs have been removed from markers and should be replaced if still in service. FIELD_STRUCT_DESC: 4-inch submarine telephone cable through the levee, 2.0 feet below the crown, and across the channel. Location marker on the waterward slope. FS Date: 05/19/2015					

No Photos

LM Start	1.19	Rating **	M	Issue No.	573
LM End	1.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.901012 °	37.901012 °
				-121.325497 °	-121.325497 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45449					
DS_ID:9					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Appears abandoned. Should contact owner to determine status as signs have been removed from supports and should be replaced if still in service.					
FIELD_STRUCT_DESC: Underground telephone cable through levee, 2 feet below crown. Warning signs on waterward slope.					
FS Date: 05/19/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	1.24	Rating **	M	Issue No.	574
LM End	1.24	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.900242 °	37.900242 °
				-121.325497 °	-121.325497 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:45451 DS_ID:10 EP_NO: 15098 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of pipe as no record of removal has been found and only an electrical conduit was found at this location. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee. 3.3-feet below levee crown. Electrical conduit found at location. (Pump house located on waterward berm. Siphon breaker on waterward shoulder, standpipe located 10 feet from landward toe): Not found 05_19_2015 (Permit No. 15098-1989). FS Date: 05/19/2015					

LM Start	1.29	Rating **	M	Issue No.	14
LM End	1.29	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.899510 °	37.899510 °
				-121.326030 °	-121.326030 °
DWR ID	DWR RD0017 02 s 2015 14				

Action/Comments					
Inspector Comments: 06/19/2014: The erosion has been repaired. A minor erosion is still visible near the tree. 08/13/2013: A mid-size tree is present immediately upstream of the erosion, which could block the view of the site. Some debris is visible. [2014 Site ID:RD0017U02RM44.52]					

Photo 1 of 1 : SP_2015_RD0017_304_14_20150309_00010.jpg



View from downstream.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	1.46	Rating **	M	Issue No.	575
LM End	1.46	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.897280 °	37.897280 °
				-121.326775 °	-121.326775 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:40639 DS_ID:11 EP_NO: 15316 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status--pipe was not found only siphon breaker housing unit. FIELD_STRUCT_DESC: 8 inch diameter discharge pipeline through levee. Invert of pipe is 3.8 feet below levee crown. Siphon breaker on the waterward shoulder. Pump is located inside ditch located approximately 75 feet landward of levee toe. (Permit No. 15316-1989) FS Date: 02/04/2010					

LM Start	1.51	Rating **	M	Issue No.	576
LM End	1.51	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.896602 °	37.896602 °
				-121.327104 °	-121.327104 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:40640 DS_ID:12 EP_NO: 15099 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 16 inch diameter irrigation pipeline through levee. Invert of pipe is 3.64 feet below levee crown. Siphon breaker on waterward shoulder. Pump house located on the waterward berm. Standpipe located 15 feet from landward toe. Concrete stairway on waterward slope. (Permit No.15099-1989) FS Date: 02/04/2010					

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	1.70	Rating **	U	Issue No.	577
LM End	1.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.894217 °	37.894217 °
				-121.328231 °	-121.328231 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44885 DS_ID:13 EP_NO: 15100 Repair Type: Urgent Crossing Status: Found UCIP Comments: Holes in pipe at WS toe good indicator of pipe internal condition. Owner should perform an internal inspection of the pipe through the levee. FIELD_STRUCT_DESC: 12-inch diameter steel stormdrain pipeline through levee. Invert of pipe is 3.68 feet below levee crown. Siphon breaker on waterward shoulder. Pump in ditch located 35 feet landward of toe. Ramp on landward slope. As-Built indicated a 16-inch pipe was installed but field verified to be a 12-inch (Permit No. 15100-1990). FS Date: 02/10/2010					

No Photos

LM Start	2.05	Rating **	M	Issue No.	578
LM End	2.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.889622 °	37.889622 °
				-121.328721 °	-121.328721 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40642 DS_ID:14 EP_NO: 15317 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. Need to find out if pipe located on landward side is tied to pipe through levee. Pipe found on waterward side is filled with concrete (non-functional). FIELD_STRUCT_DESC: 10 inch diameter steel stormwater discharge pipeline through levee. Invert of pipe is 4.74 feet below levee crown. Siphon breaker on waterward slope. Pump in ditch located 300 feet landward of toe. Ramp on landward slope. 10 inch pipe connects to an existing 16 inch discharge pipe on the landward side. (Permit No. 15317-1990) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 02/04/2010					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	2.07	Rating **	U	Issue No.	579
LM End	2.07	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.889296 °	37.889296 °
				-121.328847 °	-121.328847 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:42875 DS_ID:15 EP_NO: 15101 Repair Type: Urgent Crossing Status: Found UCIP Comments: Sink hole present at siphon breaker riser located on waterward shoulder. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 16 inch diameter pipeline through levee. Invert of pipe is 4.26 feet below levee crown. Siphon breaker on waterward shoulder. Pump house located on the waterward berm, standpipe located 25 feet from landward toe. Concrete stairway on waterward slope. (Permit No. 15101-1989) FS Date: 02/04/2010					

LM Start	2.26	Rating **	M	Issue No.	580
LM End	2.26	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.887057 °	37.887057 °
				-121.330484 °	-121.330484 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:40645 DS_ID:16 EP_NO: 15102 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. FIELD_STRUCT_DESC: 20 inch diameter irrigation pipeline through levee. Invert of pipe is 2.8 feet below levee crown. Fill placed over the pipeline to provide 2.0 feet of cover. Siphon breaker on waterward shoulder. Pump on platform with walkway to shoulder, standpipe located 15 feet landward tee, concrete stairway on waterward slope. (Permit No. 15102-1990) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 02/04/2010					

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	2.52	Rating **	M	Issue No.	581
LM End	2.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.883427 °	37.883427 °
				-121.331189 °	-121.331189 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:40646 DS_ID:17 EP_NO: 15103 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 8 inch diameter steel irrigation pipeline through levee. Invert of pipe is 3.47 feet below crown. Siphon breaker on landward shoulder. Pump house on waterward slope, standpipe located 10 feet from landward tee. Concrete stairway on waterward slope. (Permit No. 15103-1990) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 02/04/2010					

LM Start	2.66	Rating **	M	Issue No.	92
LM End	2.66	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.881020 °	37.881020 °
				-121.332260 °	-121.332260 °
DWR ID	DWR RD0017 02 s 2015 92				

Action/Comments					
Inspector Comments: 6/19/2014: The erosion was probably caused by the irrigation pipe found at the site. [2014 Site ID:RD0017U02RM45.94]					

Photo 1 of 1 : SP_2015_RD0017_304_92_20150309_00015.jpg



Close view of the erosion site.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	2.68	Rating **	M	Issue No.	93
LM End	2.68	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.880710 °	37.880710 °
				-121.332200 °	-121.332200 °
DWR ID	DWR_RD0017_02_s_2015_93				
Action/Comments					
Inspector Comments: 6/19/2014: The erosion is in the river bank which has an estimated 10-ft wide berm. [2014 Site ID:RD0017U02RM45.95]					

Photo 1 of 1 : SP_2015_RD0017_304_93_20150309_00016.jpg



Front view of the erosion along the water edge. Note the vegetation at the erosion site.

LM Start	2.69	Rating **	U	Issue No.	582
LM End	2.69	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.881065 °	37.881065 °
				-121.331853 °	-121.331853 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42885 DS_ID:315 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Hole present on waterward side pipe--historical records indicate crossing abandoned however unable to confirm. Unable to confirm condition of pipe through levee. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: Abandoned 4-inch pipe through the levee, 2.0 feet below the crown. Pump on concrete pad on the waterward slope. Gate valve on the waterward slope. Pipe open on both ends. FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	2.69	Rating **	M	Issue No.	583
LM End	2.69	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.881033 °	37.881033 °
				-121.331853 °	-121.331853 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40648 DS_ID:18 EP_NO: 15104 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity visible on waterward side and crown. Need to coordinate with owner to determine status of crossing. FIELD_STRUCT_DESC: 1 of 3: 8 inch diameter irrigation steel pipe through the levee. Invert of pipe is 2.85 feet below levee crown. Three pipes are within a 30 foot section of levee and the fourth pipe crosses at the extension of Mathews Road. Two concrete stairways on waterward slope. (Permit No. 15104-1989) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 02/04/2010					

No Photos

LM Start	2.70	Rating **	M	Issue No.	584
LM End	2.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.880936 °	37.880936 °
				-121.331851 °	-121.331851 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40649 DS_ID:277 EP_NO: 15104 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 2 of 4: 8 inch diameter irrigation steel pipe through the levee. Invert of pipe is 2.85 feet below levee crown. Three pipes are within a 30 foot section of levee and the fourth pipe crosses at the extension of Mathews Road. Two concrete stairways on waterward slope. (Permit No. 15104-1989) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	2.70	Rating **	M	Issue No.	585
LM End	2.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.880895 °	37.880895 °
				-121.331867 °	-121.331867 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40651					
DS_ID:278					
EP_NO: 15104					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23.					
FIELD_STRUCT_DESC: 3 of 3: 8 inch diameter steel stormdrain pipe through the levee 2.85-feet below levee crown. Pump on Concrete standpipe at LS toe (Permit No. 15104-1989). This pipe was installed during the levee work approved under encroachment number 15014.					
FS Date: 02/04/2010					

No Photos

LM Start	2.80	Rating **	U	Issue No.	586
LM End	2.80	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.879604 °	37.879604 °
				-121.332109 °	-121.332109 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40654					
DS_ID:19					
EP_NO: 15105					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23.					
FIELD_STRUCT_DESC: 10-inch diameter irrigation pipeline through levee. Invert of pipe is 3.84 feet below crown. Siphon breaker on landward shoulder. Pump on platform in channel. A walkway extend from the pump platform to the waterward shoulder, standpipe located 14 feet from landward toe. (Permit No. 15105-1989)					
FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	2.82	Rating **	M	Issue No.	95
LM End	2.82	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.878660 °	37.878660 °
				-121.332400 °	-121.332400 °
DWR ID	DWR_RD0017_02_s_2015_95				
Action/Comments					
Inspector Comments: 06/19/2014: A pocket erosion was found during the boat survey. [2014 Site ID:RD0017U02RM46.1]					

Photo 1 of 1 : SP_2015_RD0017_304_95_20150309_00017.jpg



Front view of the erosion.

LM Start	3.04	Rating **	M	Issue No.	587
LM End	3.04	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.876317 °	37.876317 °
				-121.331447 °	-121.331447 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40655 DS_ID:20 EP_NO: 15106 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity dession on landward slope. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 10 inch diameter irrigation pipeline through levee. Invert of pipe is 4.1 feet below levee crown. Siphon breaker on landward shoulder. Pump on waterward slope, standpipe located 14 feet landward of levee toe. (Permit No. 15106-1989) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 02/04/2010					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	3.20	Rating **	U	Issue No.	588
LM End	3.20	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.874160 °	37.874160 °
				-121.331761 °	-121.331761 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43091 DS_ID:21 EP_NO: 15310 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe wall deteriorated. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 10 inch discharge pipeline through levee. The invert of the pipe is 3.78 feet below crown. Siphon breaker on landward shoulder. Pump located on the landward side approximately 45 feet from the levee toe. (Permit No. 15310-1989) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 02/04/2010					

No Photos

LM Start	3.51	Rating **	M	Issue No.	589
LM End	3.51	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.870623 °	37.870623 °
				-121.328775 °	-121.328775 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40658					
DS_ID:23					
EP_NO: 4116					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.					
FIELD_STRUCT_DESC: 8 inch diameter high pressure gas main through the levee. Invert of pipe is 3.9 feet below the crown. Location sign for gas pipeline crossing on waterward slope. (Permit No. 4116-1962) PG&E contact information 510-779-4830 for crossing.					
FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	3.63	Rating **	M	Issue No.	96
LM End	3.63	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.868500 °	37.868500 °
				-121.327670 °	-121.327670 °
DWR ID	DWR_RD0017_02_s_2015_96				
Action/Comments					
Inspector Comments: 06/19/2014: The erosion is near a large tree and probably has been caused by the irrigation pipe on the site. [2014 Site ID:RD0017U02RM46.89]					

Photo 1 of 1 : SP_2015_RD0017_304_96_20150309_00018.jpg



Front view of the erosion. Note the tree and the irrigation pipe.

LM Start	3.67	Rating **	M	Issue No.	590
LM End	3.67	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.868657 °	37.868657 °
				-121.327383 °	-121.327383 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40659 DS_ID:26 EP_NO: 15109 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion around siphon breaker on landward side recommend investigating potential leak. FIELD_STRUCT_DESC: 12 inch pipeline through levee. Invert of pipe is 4.0 feet below levee crown. Siphon breaker on landward shoulder. Pump in irrigation ditch 45 feet from landward toe. (Permit No. 15109- 1990) FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	3.78	Rating **	M	Issue No.	591
LM End	3.78	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.867247 °	37.867247 °
				-121.326724 °	-121.326724 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:40660 DS_ID:27 EP_NO: 15110 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. FIELD_STRUCT_DESC: 12 inch diameter irrigation pipeline through levee. Invert of pipe is 3.88 below levee crown. Siphon breaker on landward shoulder. Pump on landward slope, standpipe located 10 feet from the landward toe stairway. (Permit No. 15110-1989) FS Date: 02/04/2010					

LM Start	4.19	Rating **	A/W	Issue No.	48
LM End	4.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.863819 °	37.863601 °
				-121.320784 °	-121.320299 °
DWR ID	DWR_RD0017_02_s_ 2012_48				
Action/Comments					
Landscaping					

Photo 1 of 3 : SP_2015_RD0017_304_48_20150309_00012.jpg



Looking southeast at dense ground cover on landside slope. (Spring 2013)

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	4.19	Rating **	A/W	Issue No.	48 (cont)
LM End	4.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.863819 °	37.863601 °
				-121.320784 °	-121.320299 °
DWR ID	DWR_RD0017_02_s_2012_48				
Action/Comments					
Landscaping					

Photo 2 of 3 : SP_2015_RD0017_304_48_20150309_00013.jpg



Looking southeast at overgrown landscaping on landside slope. (Spring 2014)

LM Start	4.19	Rating **	A/W	Issue No.	48 (cont)
LM End	4.22	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP_2015_RD0017_304_48_20150309_00014.jpg



Looking east at overgrown landscaping on landside slope. (Spring 2014)

LM Start	4.22	Rating **	C	Issue No.	11
LM End	4.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.863582 °	37.862947 °
				-121.320230 °	-121.319812 °
DWR ID	DWR_RD0017_02_s_2012_11				
Action/Comments					
Crops					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	4.27	Rating **	M	Issue No.	592
LM End	4.27	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.863644 °	37.863644 °
				-121.320435 °	-121.320435 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43264 DS_ID:28 EP_NO: 15111 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 2/4/15--Olivia 2010 Records from KSN show this					

No Photos

LM Start	4.31	Rating **	M	Issue No.	593
LM End	4.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.863195 °	37.863195 °
				-121.319920 °	-121.319920 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40662 DS_ID:29 EP_NO: 15112 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. Debris (pipe section) scattered on waterward side. FIELD_STRUCT_DESC: 10 inch diameter irrigation pipeline through levee. Invert of pipe is 4.12 feet below crown. Siphon breaker on landward shoulder. Pump on waterward berm, standpipe located 28 feet from the landward toe. (Permit No. 15112-1990). Stairway located on both waterward and landward slopes. This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	4.37	Rating **	M	Issue No.	1
LM End	4.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.861673 °	37.861370 °
				-121.320115 °	-121.320102 °
DWR ID	DWR_RD0017_02_s_2012_1				
Action/Comments					
Landscaping					

LM Start	4.37	Rating **	M	Issue No.	1 (cont)
LM End	4.39	Issue Type +	En	Location *	LS

LM Start	4.37	Rating **	M	Issue No.	1 (cont)
LM End	4.39	Issue Type +	En	Location *	LS

Photo 1 of 3 : SP_2015_RD0017_304_1_20150309_00001.jpg



Looking southeast at ground cover on landside slope.

Photo 2 of 3 : SP_2015_RD0017_304_1_20150309_00002.jpg



Looking south at overgrown oleanders on landside shoulder. (Spring 2014)

Photo 3 of 3 : SP_2015_RD0017_304_1_20150309_00003.jpg



Looking southwest at landscaping and boat dock on waterside slope and channel.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	4.37	Rating **	M	Issue No.	594
LM End	4.37	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.862383 °	37.862383 °
				-121.319797 °	-121.319797 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40376					
DS_ID:801					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to confirm if conduit goes through levee.					

No Photos

LM Start	4.50	Rating **	U	Issue No.	595
LM End	4.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.860995 °	37.860995 °
				-121.319264 °	-121.319264 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42877 DS_ID:31 EP_NO: 15114 Repair Type: Urgent Crossing Status: Found UCIP Comments: Depression present on levee crown along pipe alignment--unable to confirm if crossing is leaking through levee or poor compaction was performed in this area. Recommend LMA superintendent notify owner to investigate and avoid further damage to levee crown. Owner will need to coordinate with DWR Inspector and CVFPB to address potential pipe damage per Title 23 requirements. FIELD_STRUCT_DESC: 8 inch diameter irrigation pipeline through levee. Invert of pipe is 3.08 feet below the levee crown. Siphon breaker on waterward shoulder. Pump in pump house on waterward slope, standpipe located 10 feet from landward toe. Wooden walkway extends from the standpipe to the landward shoulder. Concrete stairway on waterward slope. (Permit No. 15114-1990). This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	4.86	Rating **	U	Issue No.	596
LM End	4.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.856998 °	37.856998 °
				-121.318796 °	-121.318796 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:40666 DS_ID:33 EP_NO: 15116 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe failure--internal erosion visible on waterward and landward side. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee slope. Owner will need to coordinate with DWR Inspector and CVFPB to address pipe failure per Title 23 requirements. FIELD_STRUCT_DESC: 14 inch diameter pipe through levee. Invert pipe is 4.83 feet below levee crown. Siphon breaker on waterward shoulder. Pump on platform in channel, wooden walkway extends from pump platform to waterward slope, concrete stairway extends from walkway to waterward shoulder. A double side approach ramp is located on the landward slope. Concrete stairway on waterward slope. (Permit No. 15116-1990) This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 02/04/2010					

LM Start	5.01	Rating **	U	Issue No.	597
LM End	5.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.855356 °	37.855356 °
				-121.319849 °	-121.319849 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:42878 DS_ID:34 EP_NO: 15117 Repair Type: Urgent Crossing Status: Found UCIP Comments: Section of landward slope exposed--Need to contact owner to address cut on levee and determine status of crossing. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 10 inch diameter pipeline through levee. Invert of pipe is 4.26 feet below levee crown. Siphon breaker on waterward shoulder. Pump located in excess of 100 feet from the landward toe. Ramp on landward slope. (Permit No. 15117-1989) FS Date: 02/04/2010					

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	5.14	Rating **	U	Issue No.	598
LM End	5.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.853613 °	37.853613 °
				-121.319666 °	-121.319666 °

No Photos

Action/Comments					
Inspector Comments: FS_ID:40668 DS_ID:35 EP_NO: 15118 Repair Type: Urgent Crossing Status: Found UCIP Comments: Erosion visible on waterward side visible at pipe daylight. Need to contact owner to address potential pipe failure. Need to determine status of crossing. FIELD_STRUCT_DESC: 14 inch diameter irrigation pipeline through levee. Invert of pipe is 4.49 feet below levee crown. Siphon breaker on landward shoulder. Pump on platform in channel, wooden walkway extends from pump platform to waterward slope, concrete stairway extends from walkway to waterward shoulder and a standpipe is located 2 feet from the landward toe. (Permit No. 15118-1989) FS Date: 02/04/2010					

LM Start	5.48	Rating **	A/W	Issue No.	568
LM End	5.48	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.850652 °	37.850652 °
				-121.320498 °	-121.320498 °

No Photos

Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	5.48	Rating **	M	Issue No.	599
LM End	5.48	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.851319 °	37.851319 °
				-121.321336 °	-121.321336 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40669 DS_ID:36 EP_NO: 15119 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status. FIELD_STRUCT_DESC: 16 inch diameter pipe through levee. Invert of pipe is 5.11 feet below levee crown. Slant pump on riverbank, standpipe located 30 feet from the landward toe. Ramp on waterward slope. (Permit No. 15119-1990). This pipe was installed during the levee work approved under encroachment number 15014. FS Date: 02/04/2010					

No Photos

LM Start	5.52	Rating **	A/W	Issue No.	76
LM End	5.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.850118 °	37.850118 °
				-121.320188 °	-121.320188 °
DWR ID	DWR_RD0017_02_s_2012_76				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	6.22	Rating **	M	Issue No.	600
LM End	6.22	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.844392 °	37.844392 °
				-121.320753 °	-121.320753 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40672					
DS_ID:38					
EP_NO: 15121					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe section at waterward toe is missing wall. Need to coordinate with owner to determine integrity of pipe section through levee. This crossing is a good candidate for video inspection to determine internal condition of pipe.					
FIELD_STRUCT_DESC: 2 of 2. 10 inch steel stormdrain through the levee 4.0-feet below crown. (Permit No. 15121-1991) This pipe was installed during the levee work approved under encroachment number 15014.					
FS Date: 02/04/2010					

No Photos

LM Start	6.67	Rating **	U	Issue No.	601
LM End	6.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.840824 °	37.840824 °
				-121.315710 °	-121.315710 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42879 DS_ID:283 EP_NO: 15122 Repair Type: Urgent Crossing Status: Found UCIP Comments: Extent of erosion or scour hole on waterward side unknown--unable to estimate due to dense vegetation on waterward slope. Dense vegetation on waterward side limits inspection. Need to contact owner to determine status and integrity of pipe through levee. FIELD_STRUCT_DESC: 2 of 2: 14 inch diameter irrigation pipe, 2 of 2, one (1) 12 inch and one (1) 14 inch, through levee. Invert of pipe is 3.66 feet below levee crown. Siphon breaker on waterward shoulder. Ramp on landward slope. FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	6.67	Rating **	U	Issue No.	602
LM End	6.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.840792 °	37.840792 °
				-121.315718 °	-121.315718 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42880 DS_ID:39 EP_NO: 15122 Repair Type: Urgent Crossing Status: Found UCIP Comments: Extent of erosion on waterward side unknown--unable to estimate due to dense vegetation on waterward slope. Dense vegetation on waterward side limits inspection. Need to contact owner to determine status and integrity of pipe through levee. FIELD_STRUCT_DESC: 2 of 2: 12 inch diameter discharge pipe, 1 of 2, one (1) 12 inch and one (1) 14 inch, through the levee. Invert of pipe is 3.66 feet below levee crown. Siphon breaker on waterward shoulder. Pump located 75 feet from the landward toe. (Permit No. 15122-1989) FS Date: 02/04/2010					

No Photos

LM Start	6.74	Rating **	M	Issue No.	79
LM End	6.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.838810 °	37.838810 °
				-121.316600 °	-121.316600 °
DWR ID	DWR_RD0017_02_s _ 2015_79				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove cactus on waterward slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	6.88	Rating **	M	Issue No.	603
LM End	6.88	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.837995 °	37.837995 °
				-121.316566 °	-121.316566 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40677 DS_ID:40 EP_NO: 15123 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Landowner mentioned power line was stolen crossing was non-functional during inspection. Potential erosion underneath walkway--need to confirm loose soil. Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 16 inch diameter pipe through levee. Invert of pipe is 4.03 feet below the levee crown. Siphon breaker on waterward shoulder. Ramp on platform in channel, walkway from pump platform to waterward slope, standpipe located at landward berm toe. (Permit No. 15123-1989) FS Date: 02/04/2010					

No Photos

LM Start	7.19	Rating **	M	Issue No.	18
LM End	7.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.833162 °	37.833162 °
				-121.312715 °	-121.312715 °
DWR ID	DWR_RD0017_02_s _ 2013_18				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	7.26	Rating **	M	Issue No.	604
LM End	7.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.833426 °	37.833426 °
				-121.313023 °	-121.313023 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40679 DS_ID:42 EP_NO: 15077 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope. Abandoned pipe section left on waterward slope. Need to contact owner to obtain additional information about crossing. FIELD_STRUCT_DESC: 12 inch diameter irrigation pipeline through levee. Invert of pipe 3.67 feet below levee crown. Siphon breaker on landward shoulder. Pump on platform in channel, walkway from pump platform to waterward shoulder. Standpipe located 15 feet from the landward toe. (Permit No. 15077-1989) FS Date: 02/04/2010					

No Photos

LM Start	7.29	Rating **	M	Issue No.	605
LM End	7.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.833088 °	37.833088 °
				-121.312676 °	-121.312676 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40680 DS_ID:43 EP_NO: 15078 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing is non-functional recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 4 inch diameter pipeline through levee. Invert of pipe is 3.22 feet below levee crown. Siphon breaker on landward shoulder. Pump on waterward berm. (Permit No. 15078-1989) FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	7.42	Rating **	M	Issue No.	4
LM End	7.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.830350 °	37.830350 °
				-121.310880 °	-121.310880 °
DWR ID	DWR_RD0017_02_s_2012_4				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	7.53	Rating **	M	Issue No.	606
LM End	7.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.830158 °	37.830158 °
				-121.310915 °	-121.310915 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40681 DS_ID:44 EP_NO: 15079 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: 14 inch pipeline through levee. Invert of pipe is 4.28 feet below levee crown. Siphon breaker on waterward shoulder. Pump on platform in channel, walkway from pump platform to the top of the riverbank, standpipe located 12 feet from landward tee. (Permit No. 15079-1990) FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	7.53	Rating **	M	Issue No.	607
LM End	7.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.830115 °	37.830115 °
				-121.310908 °	-121.310908 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:40682 DS_ID:99 EP_NO: 17643 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine when the other 3 crossings will become online. FIELD_STRUCT_DESC: 36-inch steel lined and coated stormdrain pipe through the levee 2-feet below the crown. Concrete headwall on WS toe and a tidal flex valve on outlet of pipe. Structure was designed for 4 crossings however only 1 crossing is active (Permit No. 17643, 2005). FS Date: 02/04/2010					

LM Start	7.54	Rating **	M	Issue No.	608
LM End	7.54	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.829922 °	37.829922 °
				-121.310865 °	-121.310865 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:40683 DS_ID:284 EP_NO: 15079 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Potential leak at standpipe--unable to confirm if crossing is operable. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: 2 of 2. 10 inch pipe also referenced as 478+22, old 6 inch pipe was removed per encroachment recordation. FS Date: 02/04/2010					

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	7.58	Rating **	M	Issue No.	25
LM End	7.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.828095 °	37.827920 °
				-121.309945 °	-121.309847 °
DWR ID	DWR_RD0017_02_s_2012_25				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : SP_2015_RD0017_304_25_20150309_00011.jpg



Elderberry blocking view of landside slope and toe.

LM Start	7.67	Rating **	M	Issue No.	609
LM End	7.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.828258 °	37.828258 °
				-121.310003 °	-121.310003 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40684 DS_ID:97 EP_NO: 15080 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears no longer in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: 6 inch steel irrigation pipe through the levee at 4.43-feet below crown. Pump on WS slope, siphon breaker on WS shoulder, and standpipe on LS toe (Permit No. 15080-1989). FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	7.81	Rating **	M	Issue No.	610
LM End	7.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.826333 °	37.826333 °
				-121.309495 °	-121.309495 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40685 DS_ID:98 EP_NO: 15081 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion present on waterward toe underneath piles. Need to coordinate with owner to address issue on waterward side and to determine status of crossing. FIELD_STRUCT_DESC: 16 inch diameter asphalt coated and wrapped steel irrigaiton pipe through the levee 2.6-feet below the crown. Siphon breaker located on landward side. Stand pipe located at landward toe. Pump on Platform at WS toe Permit No. 15081, 1989. FS Date: 02/04/2010					

No Photos

LM Start	7.83	Rating **	M	Issue No.	611
LM End	7.83	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.826031 °	37.826031 °
				-121.309569 °	-121.309569 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40686 DS_ID:804 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to find any appurtenances need to coordinate with owner to obtain additional informaiton about crossing. Standpipe appears abandoned. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: Standpipe located on levee crown. FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	7.85	Rating **	M	Issue No.	612
LM End	7.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.825857 °	37.825857 °
				-121.309574 °	-121.309574 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40687 DS_ID:100 EP_NO: 15082 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pumps were removed and no power connection visible. Crossing appears abandoned. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: 1 of 2. 20 inch asphalt coated and wrapped steel irrigation pipe through levee 2.1-feet below the crown. Pump missing from platform on waterward side. Siphon breaker inside 24-inch CMP riser on LS shoulder (Permit No. 15082, 1982). FS Date: 02/04/2010					

No Photos

LM Start	7.85	Rating **	M	Issue No.	613
LM End	7.85	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.825828 °	37.825828 °
				-121.309569 °	-121.309569 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40688 DS_ID:288 EP_NO: 15082 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump was removed and no power connection visible. Crossing appears abandoned. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: 2 of 2. 16- inch asphalt coated and wrapped steel irrigation pipe through levee 2.6-feet below the crown. Pump missing from platform on waterward side. Siphon breaker inside 24-inch CMP riser on LS shoulder. 1.5-inch galvanized iron electrical conduit at same location (Permit No. 15082, 1982). FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	7.99	Rating **	M	Issue No.	614
LM End	7.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.823987 °	37.823987 °
				-121.309841 °	-121.309841 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:40689 DS_ID:805 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only siphon breakers were found on landward shoulder no other appurtenances were found. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. FIELD_STRUCT_DESC: Siphon breaker located on landward shoulder. FS Date: 02/04/2010					

LM Start	9.10	Rating **	U	Issue No.	615
LM End	9.10	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.818145 °	37.818145 °
				-121.314278 °	-121.314278 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:42881 DS_ID:47 EP_NO: 15083 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe wall has corroded through--wall missing from pipe section located on waterward side. Recommend investigating the pipe integrity through levee section. Damage to pipe has eroded the levee slope on waterward side. Recommend LMA superintendent contact owner to stop using crossing and coordinate with CVFPB to address pipe leak. Owner will need to coordinate with DWR inspector and CVFPB. FIELD_STRUCT_DESC: 1 of 2. 12-inch irrigation pipe through levee. Invert of pipe is 3.69 feet below crown. Siphon breaker on landward shoulder. Pump in irrigation ditch 50 feet from landward tee. (Permit No. 15083-1989) FS Date: 02/04/2010					

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	9.10	Rating **	U	Issue No.	616
LM End	9.10	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.818123 °	37.818123 °
				-121.314272 °	-121.314272 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42884 DS_ID:285 EP_NO: 15083 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe wall has corroded through--wall missing from pipe section located on waterward side. Recommend investigating the pipe integrity through levee section. Damage to pipe has eroded the levee slope on waterward side. Recommend LMA superintendent contact owner to stop using crossing and coordinate with CVFPB to address pipe leak. Owner will need to coordinate with DWR inspector and CVFPB. FIELD_STRUCT_DESC: 2 of 2. 12-inch irrigation pipe through levee. Invert of pipe is 3.69 feet below crown. Siphon breaker on landward shoulder. Pump in irrigation ditch 50 feet from landward tee. (Permit No. 15083-1989) FS Date: 02/04/2010					

No Photos

LM Start	9.22	Rating **	M	Issue No.	617
LM End	9.22	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.816767 °	37.816767 °
				-121.314681 °	-121.314681 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45453 DS_ID:48 EP_NO: 15084 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine disposition of pipe. No record of removal has been found and status of crossing needs to be determined. FIELD_STRUCT_DESC: 8 inch diameter pipe through levee. Invert of pipe is 3.47 feet below levee crown. (Siphon breaker on landward shoulder. Slant pump on waterward slope, concrete stairway from pump to waterward shoulder, standpipe located 20 feet from the landward toe): Not found. Only indicator is a 1.5-inch PVC electrical conduit visible on WS slope 6-feet below the crown. (Permit No. 15084-1989) FS Date: 05/21/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	9.28	Rating **	M	Issue No.	9
LM End	9.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.815243 °	37.815243 °
				-121.317470 °	-121.317470 °
DWR ID	DWR_RD0017_02_s _ 2012_9				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : SP_2015_RD0017_304_9_20150309_00005.jpg



Looking east at bamboo at landward toe.

LM Start	10.64	Rating **	M	Issue No.	80
LM End	10.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.805787 °	37.805787 °
				-121.322022 °	-121.322022 °
DWR ID	DWR_RD0017_02_s _ 2015_80				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	11.19	Rating **	M	Issue No.	618
LM End	11.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.806150 °	37.806150 °
				-121.314875 °	-121.314875 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:40693 DS_ID:465 EP_NO: 18514 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe underconstruction--localized settlement on waterward side. Cracking, sliding, minor soil slumping around ingress on waterward appears to be poor compaction during pipe bedding. Need to contact owner to address settlement along pipe alignment. Also need additional photos of completed project. FIELD_STRUCT_DESC: 16 inch diameter steel irrigation pipe through the levee. Pipe includes a 30 horse power slant pump supported by two 10-3/4 inch diameter steel pilings on the waterward side. Stand pipe located on the landward side. (Permit No. 18514-2010) FS Date: 02/04/2010					

LM Start	11.45	Rating **	M	Issue No.	619
LM End	11.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.803410 °	37.803410 °
				-121.312031 °	-121.312031 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:40695 DS_ID:51 EP_NO: 15055 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is not connected on waterward side. Crossing is non-functional recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 16 inch diameter pipe through levee. Invert pipe is 3.91 feet below levee crown. Siphon breaker on landward shoulder. Slant pump on waterward slope, standpipe located 11 feet from the landward toe. (Permit No. 15055-1989) FS Date: 02/04/2010					

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	11.49	Rating **	M	Issue No.	620
LM End	11.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802921 °	37.802921 °
				-121.311947 °	-121.311947 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:40696 DS_ID:103 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--Need to contact owner. FIELD_STRUCT_DESC: 1 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 02/04/2010					

LM Start	11.49	Rating **	M	Issue No.	621
LM End	11.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802904 °	37.802904 °
				-121.311946 °	-121.311946 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:40697 DS_ID:473 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 2 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 02/04/2010					

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	11.49	Rating **	M	Issue No.	622
LM End	11.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802889 °	37.802889 °
				-121.311947 °	-121.311947 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40698 DS_ID:474 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 3 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 02/04/2010					

No Photos

LM Start	11.49	Rating **	M	Issue No.	623
LM End	11.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802869 °	37.802869 °
				-121.311948 °	-121.311948 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40699					
DS_ID:475					
EP_NO: 17792					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Surface erosion on waterward slope--need to contact owner.					
FIELD_STRUCT_DESC: 4 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005)					
FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	11.49	Rating **	M	Issue No.	624
LM End	11.49	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802854 °	37.802854 °
				-121.311948 °	-121.311948 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:40700 DS_ID:476 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 5 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 02/04/2010					

LM Start	11.50	Rating **	M	Issue No.	625
LM End	11.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.802837 °	37.802837 °
				-121.311949 °	-121.311949 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:40701 DS_ID:477 EP_NO: 17792 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Surface erosion on waterward slope--need to contact owner. FIELD_STRUCT_DESC: 6 of 6. 30-inch diameter drainage pipe through levee at unknown depth. Struction is part of Lathrop City Stormwater Pump Station 112. Station consists 6 drainage pipes, pump station, air release valves, and concrete headwall. Air release valves located inside risers are located on landward shoulder on top of concrete pad. Concrete headwall and gates located on waterward side. (Permit No. 17792, 2005) FS Date: 02/04/2010					

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	11.57	Rating **	M	Issue No.	626
LM End	11.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.801683 °	37.801683 °
				-121.312001 °	-121.312001 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45463 DS_ID:53 EP_NO: 15125 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe appears abandoned as vent is partially buried and pipe not visilbe. If abandoned, it should be done so properly. FIELD_STRUCT_DESC: 7 inch diameter pipe through the levee 3.59-feet below levee crown. Siphon breaker located on landward shoulder. Air vent found on WS slope (Permit No. 15125-1989). FS Date: 05/21/2015					

No Photos

LM Start	11.78	Rating **	M	Issue No.	627
LM End	11.78	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.798766 °	37.798766 °
				-121.312135 °	-121.312135 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45716 DS_ID:286 EP_NO: 15053 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to determine disposition of pipe. FIELD_STRUCT_DESC: 8-inch diameter pipe through levee. Invert of pipe is 4.33 feet below levee crown. Siphon breaker on waterward shoulder. Pump on waterward berm, standpipe at bottom of direct approach ramp. (Permit No.15053-1990) FS Date: 03/25/2010					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	12.29	Rating **	M	Issue No.	628
LM End	12.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793831 °	37.793831 °
				-121.305989 °	-121.305989 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45464					
DS_ID:56					
EP_NO: 15318					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Crossings appears to be abandoned. Need to contact owner to determine status of crossing. If abandoned, it should be done so properly.					
FIELD_STRUCT_DESC: 20 inch diameter steel storm drain discharge pipeline through levee 3.4-feet below levee crown. Air vent in 12-inch steel riser found on the landward shoulder. Electric service riser on waterward berm has been removed, Permit No. 15318, 1989.					
FS Date: 05/21/2015					

No Photos

LM Start	12.29	Rating **	M	Issue No.	629
LM End	12.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793831 °	37.793831 °
				-121.305989 °	-121.305989 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40702					
DS_ID:806					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No pipe found during site visit only air valve and power meter. Dense vegetation along waterward slope recommend clearing vegetation from slope to conduct proper pipe inspection. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements.					
FIELD_STRUCT_DESC: *REMOVED* 20-inch Steel drain pipe through the levee 5-feet below the crown. Siphon breaker in steel riser on WS shoulder and a flap gate on the WS toe Permit No. 3799, 1961. Pipe removed under Permit No. 15318, 1989. Drainage or Irrigation Structure referenced in O&M manual (HLM 12.16). (USACE O&M, 1963)					
FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	12.29	Rating **	M	Issue No.	630
LM End	12.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793779 °	37.793779 °
				-121.305984 °	-121.305984 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40703 DS_ID:799 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing and obtain additional information about crossing (permit and install date). FIELD_STRUCT_DESC: 1 of 2. 48-inch steel drainage pipe through the levee 2.5-feet below the crown. Siphon breaker on LS shoulder. Concrete "U" shaped headwall on WS toe with flap gate (Permit No. 15845, 1993). 8-4 inch steel coated scheduled 40 pipes located on waterward shoulder about 6 inch cover. FS Date: 02/04/2010					

No Photos

LM Start	12.29	Rating **	M	Issue No.	631
LM End	12.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.793766 °	37.793766 °
				-121.305986 °	-121.305986 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40704 DS_ID:800 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing and obtain additional information about crossing (permit and install date). FIELD_STRUCT_DESC: 2 of 2. 12 inch drainage pipe through levee at unknown depth. Concrete "U" wall located on waterward side. Flap gate on waterward side. 8-4 inch steel coated scheduled 40 pipes located on waterward shoulder about 6 inch cover. Seepage berm located on landward side. FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	12.47	Rating **	M	Issue No.	632
LM End	12.47	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.791231 °	37.791231 °
				-121.306269 °	-121.306269 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40705 DS_ID:57 EP_NO: 15050 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. FIELD_STRUCT_DESC: 6 inch diameter irrigation pipeline through the levee. Invert of pipe is 3.95 feet below crown. Siphon breaker on waterward shoulder. Pump on waterward berm. Standpipe located 10 feet from landward toe. (Permit No. 15050-1989) FS Date: 02/04/2010					

No Photos

LM Start	12.57	Rating **	M	Issue No.	633
LM End	12.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.789976 °	37.789976 °
				-121.306853 °	-121.306853 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40706 DS_ID:807 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe disconnected on waterward side. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. FIELD_STRUCT_DESC: 8 inch pipe through levee 3.2-feet below the crown. Pump on WS toe and a siphon breaker on the LS shoulder (Permit No. 15049, 1989). Permit was for 6-inch pipe. FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	12.71	Rating **	M	Issue No.	634
LM End	12.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.787929 °	37.787929 °
				-121.307173 °	-121.307173 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40707 DS_ID:60 EP_NO: 14326 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Wires exposed near levee crown unable to determine if these wires are part of the crossing. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 4 inch diameter communication cable through levee. Invert of conduit is 3.0 feet below levee crown. (Permit No. 14326-1986) FS Date: 02/04/2010					

No Photos

LM Start	12.84	Rating **	M	Issue No.	635
LM End	12.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.786343 °	37.786343 °
				-121.306157 °	-121.306157 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45466 DS_ID:808 EP_NO: 2366 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe exposed on WS slope where soil has been removed from around pipe. There does not appear to be any damage or repair at excavation. Pipe should be buried. FIELD_STRUCT_DESC: 22-inch diameter steel stormdrain pipe through the levee 10-feet below levee crown. 54-inch square, concrete manhole at the centerline of the levee between Manthey Road and the HWY 120 onramp to I-5. (Order of the Board No. 2366-1956) (Pipe listed as 22-inch in Permit). FS Date: 05/21/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	13.43	Rating **	M	Issue No.	636
LM End	13.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779653 °	37.779653 °
				-121.300064 °	-121.300064 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40712					
DS_ID:65					
EP_NO: 14450					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status of crossing.					
FIELD_STRUCT_DESC: 1 of 2: 18 inch diameter drainage discharge pipes through levee. (Permit No. 14450-1985)					
FS Date: 02/04/2010					

No Photos

LM Start	13.43	Rating **	M	Issue No.	637
LM End	13.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779643 °	37.779643 °
				-121.300057 °	-121.300057 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40713 DS_ID:287 EP_NO: 14450 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 2 of 2: 18 inch diameter drainage discharge pipes through levee. (Permit No. 14450-1985) FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	13.44	Rating **	M	Issue No.	638
LM End	13.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779546 °	37.779546 °
				-121.299981 °	-121.299981 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40714 DS_ID:66 EP_NO: 14467 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Records show this crossing was suppose to be abandoned however, the drain pipe was operable during site visit. Need to contact owner to clarify if crossing that was abandoned was removed and replaced with current crossing. FIELD_STRUCT_DESC: 36 inch concrete discharge gravity municipal waterwater discharge through levee approximatley 23 feet below crown. The reinforced concrete outfall structure with sluice gate will be constructed within the pipeline at the waterward levee shoulder. (Permit No. 14467-1986) FS Date: 02/04/2010					

No Photos

LM Start	13.44	Rating **	M	Issue No.	639
LM End	13.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779470 °	37.779470 °
				-121.299954 °	-121.299954 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40715 DS_ID:809 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No information was obtained from desk study. This crossing was found during field visit. Need to contact owner to obtain additional details about crossing (installation date and permit) and status. FIELD_STRUCT_DESC: *ABANDONED* 18-inch pipe through the levee, 5.8 feet below the crown. Gate valve and siphon breaker on the waterward slope. Flap gate on the waterward end. One CM cutoff wall (Reclamation District No. 17 Drainage Plant). Pump on the landward side. Installed by USCE 1961. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 13.36). (USACE O&M, 1963). Welded Steel plate installed over one end of pipe under Permit No. 14450, 1988. FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	04/14/2015 04/14/2015	Richard Willoughby

LM Start	13.44	Rating **	M	Issue No.	640
LM End	13.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.779470 °	37.779470 °
				-121.299954 °	-121.299954 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40709					
DS_ID:67					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Markers visible on landward side only. Recommend contacting owner to confirm alignment and crossing.					
FIELD_STRUCT_DESC: Submarine power cable through the levee and across the channel.					
FS Date: 02/04/2010					

No Photos

LM Start	14.39	Rating **	M	Issue No.	641
LM End	14.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.772267 °	37.772267 °
				-121.290202 °	-121.290202 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40716					
DS_ID:69					
EP_NO: 15165					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pump was working during the survey. Levee toe erosion at waterward side. Recommend contacting owner to determine status and to evaluate erosion at waterward toe.					
FIELD_STRUCT_DESC: 20-inch pipe through the levee, 1.7-feet below the crown. Pump on pile structure in the stream. Wooden walkway to the pump. concrete distribution box at the toe of the landward slope.					
(Permit No. 15165-1989)					
FS Date: 02/04/2010					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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